



## **USDA Global Research Alliance Fellowships**

The United States Department of Agriculture (USDA) in cooperation with the United States Agency for International Development (USAID) is pleased to announce the 2011 USDA Global Research Alliance (GRA) Fellowships for Pakistan.

USDA, in cooperation with USAID, will support the participation of Alliance member developing countries in the Global Research Alliance on Agricultural Greenhouse Gases through the Global Research Alliance Fellowships. Competitively selected research fellows will work side-by-side with U.S. scientists on climate change mitigation research for up to 3 months. These fellowships will be hosted by USDA's Agricultural Research Service and/or U.S. universities active in the targeted research areas. U.S. scientists who serve as mentors to the fellows will travel to the fellows' country for up to 10 days to continue their collaboration on climate change mitigation research. USDA will select U.S. mentors and host institutions for each fellow.

The 2011 Global Research Alliance Fellowships are administered by the United States Department of Agriculture, Foreign Agricultural Service (FAS). Fellowships will be funded by the USAID or other funding sources based on availability.

***The application deadline for the 2011 Global Research Alliance Fellowships for Pakistan is February 25, 2011***

### **Objectives:**

- Provide early to mid-career agricultural research scientists, faculty, and policymakers with one-on-one training opportunities in the fields of agricultural policy and research (see targeted research areas below);
- Provide scientists, faculty and policymakers with practical experience and exposure to novel perspectives and/or new technologies that can be applied upon completion of the program in their home institutions;
- Foster increased collaboration and networking to improve agricultural productivity and trade;
- Facilitate the transfer of new scientific and agricultural technologies to strengthen agricultural practices;
- Address obstacles to the adoption of technology such as ineffectual policies and regulations.

### **Targeted Research Areas:**

1. Developing Tools for Greenhouse Gas and Carbon Sequestration Assessments
  - Develop easily used methods for measuring or estimating greenhouse gas emissions in agricultural settings.
  - Develop easily used methods for measuring or estimating carbon sequestration in agricultural soils.
  - Develop and field-test user-friendly software for quantifying and reporting emissions under the UN Framework Convention on Climate Change.
2. Reducing Greenhouse Gas Emissions Intensity in Crop Production Systems
  - Identify agricultural management strategies leading to reduced net greenhouse gas emissions per unit of commodity produced in agronomic (including rice), horticultural, or agroforestry crop systems.



- Develop models for application of experimental data in decision support tools for different crop or agroforestry systems in different countries.
- 3. Reducing Greenhouse Gas Emissions Intensity in Livestock Production Systems
  - Identify agricultural management strategies leading to reduced net greenhouse gas emissions per unit of commodity produced in grazing or confined animal production systems.
  - Develop models for application of experimental data in decision support tools for livestock production systems in different countries.
- 4. Developing Databases and Strategies for Synthesis, Integration, and Decision Support to Manage Greenhouse Gas Emissions and Carbon Sequestration in Agricultural Systems
  - Develop databases assembled from different research teams working on identifying methods to reduce agricultural greenhouse gas emissions and increase carbon sequestration.
  - Develop process models as a foundation for projecting emissions and sequestration in different agricultural systems and for decision support tools.

### **Length of Fellowships:**

Fellowships are 6-12 weeks in length. All program proposals should include goals that will be achievable within the timeframe of 6-12 weeks.

### **Eligibility Requirements:**

Candidates will be evaluated, interviewed and selected based on the following criteria:

- Citizen of Pakistan;
- Good working knowledge of the English language;
- Masters degree with at least two years' practical experience;
- Currently employed full time at a research institution with the intent to continue working in their home country for a minimum of two years following their return from the United States.
- Early-mid stage of professional career;
- Experience and focus in **the targeted research areas identified**

### **Application Requirements:**

Eligible candidates are invited to submit the complete application including the following attachments no later than **February 25, 2011**. Submitted applications should include:

- Application form
- Program proposal (2-3 pages)
- Signed approval of the applicant's home institution
- Two letters of recommendation
- Official copy of transcript of college degrees
- Copy of passport identification page
- One passport sized photo

*Please include all application materials in one PDF document.*

*Interviews for applicants who pass the initial screening will be held March – April, 2011.*



## **Contact Information:**

**For questions relating to the application process and to submit an application, please contact:**

Rey Santella  
Email: [rey.santella@fas.usda.gov](mailto:rey.santella@fas.usda.gov) or [agislamabad@usda.gov](mailto:agislamabad@usda.gov)  
Phone no.: 208-2276

American Embassy  
Diplomatic Enclave  
Ramna-5  
Islamabad, Pakistan

**For additional information about the Global Research Alliance Fellowships, please contact the USDA/FAS Coordinators for the 2011 Global Research Alliance Fellowships:**

Sarah Winnan	<a href="mailto:sarah.winnan@fas.usda.gov">sarah.winnan@fas.usda.gov</a>
Catherine Chesnutt	<a href="mailto:catherine.chesnutt@fas.usda.gov">catherine.chesnutt@fas.usda.gov</a>